

WEST Search History

DATE: Monday, October 16, 2006

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
		<i>DB=PGPB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L6	14 and (sulfonyl chloride or chloride or nitric acid.CLM.)	13
<input type="checkbox"/>	L5	14 and (halogenating agent or halogenation agent or halogenating reagent or nitrating agent.CLM.)	0
<input type="checkbox"/>	L4	13 and (fungicid\$ or pesticid\$ or herbicid\$ or antimicrob\$.CLM.)	15
<input type="checkbox"/>	L3	12 and (halo or halogenated or chloro or bromo or fluoro or nitro.CLM.)	97
<input type="checkbox"/>	L2	11 and (phenyl or aromatic or aryl or arylalkyl.CLM.)	132
<input type="checkbox"/>	L1	cyclopentadione or cyclopentane-1,3-dione or cyclohexadione or cyclohexane-1,3-dione.CLM.	144

END OF SEARCH HISTORY

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=> d his

(FILE 'HOME' ENTERED AT 12:03:35 ON 16 OCT 2006)

FILE 'REGISTRY' ENTERED AT 12:04:02 ON 16 OCT 2006

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 4 S L1 FULL

FILE 'HCAPLUS, CHEMCATS' ENTERED AT 12:04:59 ON 16 OCT 2006

L4 1 S L3

FILE 'HCAPLUS, HCAOLD, USPATFULL, EPFULL' ENTERED AT 12:05:50 ON 16 OCT 2006

L5 3427 S ?CYCLOPENTADIONE OR ?CYCLOPENTANE-1,3-DIONE OR ?CYCLOHEXADION

L6 2053 S L5 AND (PHENYL OR AROMATIC OR ARYL OR ARYLALKYL)

L7 1662 S L6 AND (HALO OR HALOGENATED OR CHLORO OR BROMO OR FLUORO OR

L8 833 S L7 AND (FUNGICID? OR PESTICID? OR HERBICID? OR ANTIMICROB?)

L9 1087 S L7 AND (2-HALO? OR 2-NITRO? OR 2-CHLORO?)

L10 703 S L8 AND L9

L11 92 S L10 AND (HALOGENATING AGENT OR NITRATING AGENT)

L12 3 S L11 AND SULFONYL CHLORIDE

L13 29 S L11 AND NITRIC ACID

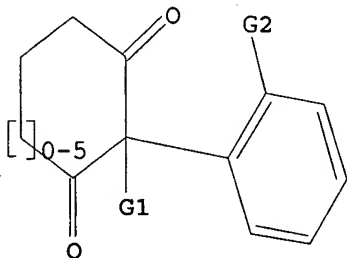
10/531,750

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 X, NO2

G2 MeO, EtO, n-PrO, CN, X, Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 12:04:35 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 4449 TO ITERATE

45.0% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 84980 TO 92980

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 12:04:40 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 90804 TO ITERATE

100.0% PROCESSED 90804 ITERATIONS
SEARCH TIME: 00.00.01

4 ANSWERS

L3 4 SEA SSS FUL L1

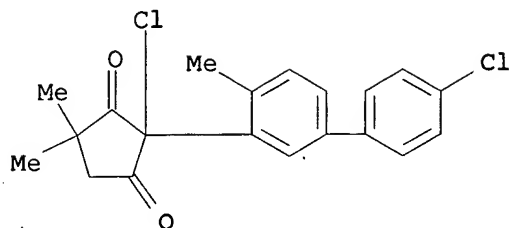
=> d scan

L3 4 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 1,3-Cyclopentanedione, 2-chloro-2-(4'-chloro-4-methyl[1,1'-biphenyl]-3-yl)-
4,4-dimethyl- (9CI)

MF C20 H18 Cl2 O2

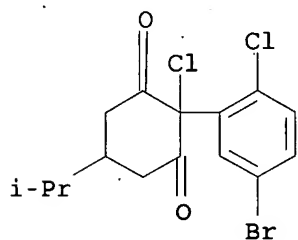
10/531,750



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

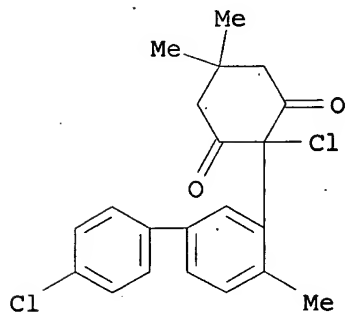
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L3 4 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 1,3-Cyclohexanedione, 2-(5-bromo-2-chlorophenyl)-2-chloro-5-(1-methylethyl)- (9CI)
MF C15 H15 Br Cl2 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

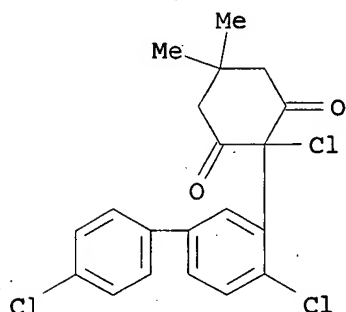
L3 4 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 1,3-Cyclohexanedione, 2-chloro-2-(4'-chloro-4-methyl[1,1'-biphenyl]-3-yl)-5,5-dimethyl- (9CI)
MF C21 H20 Cl2 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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L3 4 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 1,3-Cyclohexanedione, 2-chloro-2-(4,4'-dichloro[1,1'-biphenyl]-3-yl)-5,5-
dimethyl- (9CI)
MF C20 H17 Cl3 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file hcaplus chemcat

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

167.38

167.59

FILE 'HCAPLUS' ENTERED AT 12:04:59 ON 16 OCT 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CHEMCATS' ENTERED AT 12:04:59 ON 16 OCT 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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COPYRIGHT (C) 2006 American Chemical Society (ACS)

=> s l3

L4 1 L3

=> d ibib abs hitstr

L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:367221 HCAPLUS

DOCUMENT NUMBER: 140:357069

TITLE: Preparation of 2-phenylcyclopentane-1,3-diones and
2-phenylcyclohexane-1,3-diones as pesticides,
microbicides, and herbicides

INVENTOR(S): Fischer, Reiner; Hillebrand, Stefan; Trautwein, Axel;
Ullmann, Astrid; Drewes, Mark-Wilhelm; Feucht, Dieter;
Konze, Joerg; Kuck, Karl-Heinz; Wachendorff-Neumann,
Ulrike

PATENT ASSIGNEE(S): Bayer Cropscience Ag, Germany

SOURCE: Ger. Offen., 36 pp.

CODEN: GWXXBX

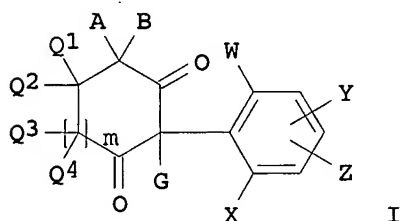
DOCUMENT TYPE:

Patent

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LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10249055	A1	20040506	DE 2002-10249055	20021022
CA 2502826	AA	20040506	CA 2003-2502826	20031009
WO 2004037749	A2	20040506	WO 2003-EP11148	20031009
WO 2004037749	A3	20040624		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003293608	A1	20040513	AU 2003-293608	20031009
EP 1556324	A2	20050727	EP 2003-788946	20031009
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003015617	A	20050823	BR 2003-15617	20031009
CN 1705628	A	20051207	CN 2003-80101919	20031009
JP 2006503882	T2	20060202	JP 2004-545818	20031009
US 2006058194	A1	20060316	US 2005-531750	20050902
PRIORITY APPLN. INFO.:			DE 2002-10249055	A 20021022
			WO 2003-EP11148	W 20031009
OTHER SOURCE(S):		MARPAT 140:357069		
GI				



AB Title compds. [I; W = cyano, halo, (halo)alkyl, alkenyl, alkynyl, (halo)alkoxy; X, Z = H, halo, (halo)alkyl, (halo)alkoxy, cyano; Y = H, halo, (halo)alkyl, (halo)alkoxy, cyano, (substituted) Ph; G = halo, NO₂; m = 0, 1; A = H, (substituted) alkyl, alkenyl, alkoxyalkyl, etc.; B = H, alkyl; or AB = (substituted) (saturated) heterocyclyl; AQ1 = (substituted) alkylene, etc.; Q1 = H, alkyl, alkoxyalkyl, (substituted) (O-, S-interrupted) cycloalkyl, etc.; Q2-Q4 = H, alkyl; Q1Q2 = (substituted) (saturated) heterocyclyl], were prepared. Thus, 2-chloro-2-(4'-chloro-4-methyl-1,1'-biphenyl-3-yl)spiro[4.5]decane-1,3-dione was prepared with a yield of 74%. The latter at 100 ppm gave 100% kill of *Tetranychus urticae* after 7 days.

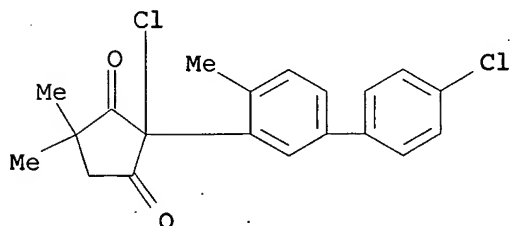
IT 682771-88-6P 682771-97-7P 682772-02-7P 682772-09-4P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 2-phenylcyclopentane-1,3-diones and 2-phenylcyclohexane-1,3-

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diones as pesticides, microbicides, and herbicides)

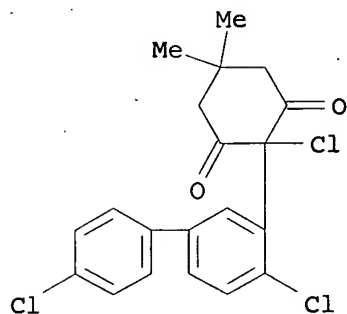
RN 682771-88-6 HCAPLUS

CN 1,3-Cyclopentanedione, 2-chloro-2-(4'-chloro-4-methyl[1,1'-biphenyl]-3-yl)-4,4-dimethyl- (9CI) (CA INDEX NAME)



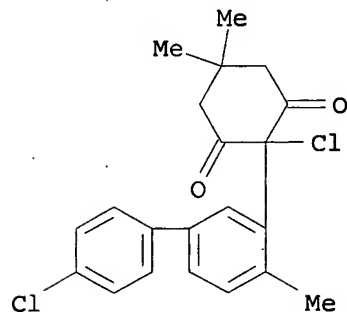
RN 682771-97-7 HCAPLUS

CN 1,3-Cyclohexanedione, 2-chloro-2-(4,4'-dichloro[1,1'-biphenyl]-3-yl)-5,5-dimethyl- (9CI) (CA INDEX NAME)



RN 682772-02-7 HCAPLUS

CN 1,3-Cyclohexanedione, 2-chloro-2-(4'-chloro-4-methyl[1,1'-biphenyl]-3-yl)-5,5-dimethyl- (9CI) (CA INDEX NAME)



RN 682772-09-4 HCAPLUS

CN 1,3-Cyclohexanedione, 2-(5-bromo-2-chlorophenyl)-2-chloro-5-(1-methylethyl)- (9CI) (CA INDEX NAME)

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